

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 7/28/99 are:

- A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(j):
Black ink. Color _____	Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
Color drawings are not acceptable until petition is granted. Fig(s) _____	9. SCALE. 37 CFR 1.84(k):
Pencil and non black ink not permitted. Fig(s) _____	Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b):	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i):
1 full-tone set is required. Fig(s) _____	Lines, numbers & letters not uniformly thick and well defined, clear, durable, and black. Line quality _____
Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____	Fig(s) <u>1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O</u>
Foor quality (half-tone). Fig(s) _____	11. SHADING. 37 CFR 1.84(m):
3. TYPE OF PAPER. 37 CFR 1.84(e):	Solid black areas pale. Fig(s) _____
Paper not flexible, strong, white, and durable. Fig(s) _____	Solid black shading not permitted. Fig(s) _____
Erasures, alterations, overwritings, interlineations, 4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	Shade lines pale, rough and blurred. Fig(s) _____
4.5inches copy machine marks not accepted. Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p):
Mylar, vellum paper is not acceptable (too thin). Fig(s) _____	Numbers and reference characters too plain and legible. Fig(s) <u>1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O</u>
Drawings sheets not an acceptable size. Fig(s) _____	Figure legends are poor. Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:	Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm. SIZE: A4 Size _____	English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) <u>1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O</u>
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm. SIZE: 8 1/2 x 11 inches _____	Numbers, letters and reference characters must be at least .32 cm (.125 inch) in height. 37 CFR 1.84(p)(3) Fig(s) <u>1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O</u>
Margins not acceptable. Fig(s) <u>1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O</u>	13. LEAD LINES. 37 CFR 1.84(q):
Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____	Lead lines cross each other. Fig(s) _____
6. VIEWS. 37 CFR 1.84(h):	Lead lines missing. Fig(s) _____
REMINDER: Specification may require revision to correspond to drawing changes.	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i):
Partial views. 37 CFR 1.84(h)(2)	Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
Brackets needed to show figure as one entity. Fig(s) _____	15. NUMBERING OF VIEWS. 37 CFR 1.84(u):
Views not labeled separately or properly. Fig(s) _____	Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
Enlarged view not labeled separately or properly. Fig(s) _____	16. CORRECTIONS. 37 CFR 1.84(w):
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3):	Corrections not made from prior PTO-948 dated _____
Hatching not indicated for sectional portions of an object. Fig(s) _____	17. DESIGN DRAWINGS. 37 CFR 1.152:
Sectional designation should be stated with Arabic or Roman numbers. Fig(s) <u>1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O</u>	Surface shading shown not appropriate. Fig(s) _____
	Solid black shading not used for color contrast. Fig(s) _____

COMMENTS

All figs must be on same plane of drawing sheet

(Fig 5A-5C)

- characters in shaded area must be shown clear

(Fig 10A)

REVIEWER _____

DATE 7/13/99

TELEPHONE NO. 7033058404

ATTACHMENT TO PAPER NO. _____